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2-12-62

Rene:-

Herewith the prints on the Twin path, 70mm Aerial Film viewer for use with a stereo-zoom microscope. These to be forwarded to [redacted] of NPIC for his perusal and a subsequent telephone conference on the acceptability of the concept.

You will note that mechanical detail has been omitted since this is a design concept. However the details do exist in detail form and the concept is mechanically feasible in all respects.

The APEL type friction brake is currently adaptable to this viewer although its physical dimensions may be altered.

You will note that in order to accomodate 1000 ft. film supply reels several considerations were taken into account.

1.- If spools were on either side of the light box, upon rotation one reel would be in the way of the person looking at the film on the light box by a foot or so.

2.- With all four spools on one spindle

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it is necessary to move the spindle in and out to definite detented positions so that individual spools can be rotated. This is not difficult and the design has been made.

3.- The whole thing could be narrowed down in width if the spools were placed 2 up and 2 below on the same side. This would simplify both threading and spindle design not to mention a possible reduction in cost. However the question of convenience and appearance remain to be determined.

4.- A hinge-back arrangement for putting the reels on and taking them off is incorporated but time did not permit delineation on the drawing.

Such other questions as may arise can be resolved in a phone conversation with STAT [redacted] STAT [redacted] after he has received this print. A ball park price can possibly be quoted at that time and upon resolution of above mentioned questions the final proposal drawings and quote

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can be completed in a relatively short period of time (2 to 3 weeks at the most).

I would appreciate your estimate as to what day I might call Bill. This week I hope so that I can expedite the completion of this proposal.

Thank you

John

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